THE PATENT GALVANIZED IRON, COPPER AND CARS.

Owners of Crawford's Patents, and Successors to

THE GALVANIZED IRON COMPANY.

Have Galvanized Sheets, plain or corrugated, for roofing Water or Gas Pipes, Castings, Wire of all gauges, Guttering, Roofing, &c. Wholesale, retail, and for export.

An allowance to the trade.

WORKS—MILLWALL and BIRMINGHAM.

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IRON BUILDING and ROOFING WORKS,

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Manufacturer of the Corrugated and other kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, gas-works, warehouses, factories, &c. &c.

PATENTEE

Of the Corrugated Iron Beams, Girders, and Fire-proof Floors.

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The proprietors have obtained a license to work Crawford's Patent, upon which they have made a considerable improvement, and which is acknowledged by the trade to be superior to any other process ever used. The facilities they possess in executing orders to any extent, induce them to solicit the favours of contractors, builders, merchants, and others. On hand, for exportation or home consumption, patent galvanized plain and corrugated sheets, for iron houses, roofing, railway stations, carriage sheds, farm buildings, gas works, warehouses, factories, doors, verandahs, shutters, partitions, safety sheets, &c. Iron guttering, water and gas pipes, hooping, wire of all sizes, chairs and seats for lawns, pleasure-grounds, and gardens, in great variety. Goods sent for and returned, free of charge, within three miles of the City; and all light goods received at the works by 9 am in the morning, will be returned the same day if required.

A discount allowed to the trade.

MORFWOOD and ROGERS'S PATENT GALVANIZED TINNED IRON.—i.e. Iron Tinned previously to being Galvanized.

ANDREW WHYTOCK, 48a, New Oxford street, and Rose-street, Soho, begs to call the attention of Engineers, Architects, Surveyors, Contractors, Builders, and others, to this metal, which will be found on examination to effectually accomplish the objects of the patent. It is suitable to all purposes for which iron, not liable to rust, is required; but in its advantages and economy for roofing it stands unrivalled. Strength, durability, and lightness are obtained, at a expense the qualities of iron protected from decay. Twenty-four gauge weighs 4 lbs., while slate weighs from 8 lbs. to 18 lbs. to the foot. It is not slightly acted upon by the changes of temperature, the contraction and expansion being one-fourth of lead or zinc. The first outlay is less than that of an ordinary slate roof. The saving in timber and in the lessening of weight on timber on walls being very considerable. When used, arched and corrugated framing will be seldom required. It is extensively and successfully employed for the roofing of public buildings, dwellings, railway stations, for all sheds, for lining tunnels, cisterns, and tanks; for gutters and piping of every description; nails, bolts, and rivets; iron hoopings, shakes, anchors, ship fastenings, &c. &c., in her Majesty's dockyards, on the principal lines of railways, by public companies, and private parties at home and abroad. It is eminently calculated for granaries, barns, cattle-sheds, straw yards, and agricultural purposes of this description, as joined to the advantages enumerated, the metal is very portable, and if preferred, can be laid by any skilful artisan; and if put together with bolts, and nuts, it can be taken down and re-erected at a trifling expense. ANDREW WHYTOCK will be happy to furnish pamphlets explanatory of all the uses to which this metal has been applied; and hopes to refer to the surveyor of the Patentees, Mr. GEORGE MORGAN, C.E., Parliament-street. Westminster; at whose office models can be seen, who may be consulted as to its suitability to any purpose, and who will furnish estimates, with working drawings, showing the sensibleness of all fire-works, free of cost.

THE attention of those who are interested in Building is earnestly invited to a method of constructing the FLOORS, CEILINGS, and ROOFS of HOUSES on an IMPROVED FIRE-PROOF PRINCIPLE, the adoption of which secures many important advantages at a cost not greater than that of the common mode of building with timber. Perfect security from fire—economy of construction—freedom from the attacks of dry-rot, insects, &c.—and increased strength and durability, are the leading features of this system; a pamphlet fully descriptive of which, and all further information, may be obtained on application to the proprietors of the patent, Messrs. FOX and BARRETT, 48, Leicester-square, London.

TO ARCHITECTS AND BUILDERS.

CHUBB'S WROUGHT-IRON and FIRE-PROOF DOORS and FRAMES, for strong Rooms. A large stock of the above, of all sizes, made in the best manner, and of different strengths, fitted with CHUBB'S PATENT DETECTOR LOCKS, throwing from two to twenty bolts, constantly on sale, at very moderate prices. FIRE-PROOF SAFES of every size, and Patent Detector Locks and Latches for all purposes.—C. CHUBB and SON, sole Manufacturers, 57, St. Paul's Churchyard, London.

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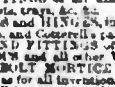
J. JONES, Iron merchant, has always a great variety of CONICAL and SADDLE BOILERS in STOCK; also cane and chinese bars, ornamental and plain supply cisterns, dining doors and frames, furnace grates, and doors for the same, water pipes, elbows, tees, syphons, throttle valves, stop cocks, flange and socket elbows, &c., also trough pipes. Drawings and prices of the above, on application to J. JONES, Iron-bridge-wharf, No. 8, Bankside, London, near the Southwark iron bridge.

HOT-WATER APPARATUS.—The attention of architects, builders, and others is respectfully requested to HENJAMIN FOWLER'S improved method of heating churches and chapels, halls, staircases, conservatories, forcing and greenhouses, manufactories and warehouses, kilns, rooms for drying timber, &c., and every variety of purpose for which artificial heat is required. Within the last twenty years some hundreds of buildings have been heated upon this plan, and the parties for whom they were executed are constantly expressing their satisfaction, also the willingness to vouch for their efficiency.

BENJAMIN FOWLER, late of 65, Dorset-street, removed to the new factory, Whitefriars-street, Fleet-street.



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HART and SONS, Wholesale and Manufacturing Ironmongers, Nos. 54, 55, and 55, Wych-street, Strand, Lately Cast Iron Proprietors and sole Manufacturers of PITTY'S PATENT SALE AND DISPLAY DESK FURNITURE and SPINDLES, and Manufacturers of Dr. ARNOTT'S VENTILATING CHIMNEY VALVES.

HART and SONS call the attention of Builders, House Decorators, Cabinet makers, and others, &c. &c. to their extensive and well selected stock of DESK FURNITURE in every suitable material, as ends, rails, finger-plates, lock-escutcheons, letters, &c., and also to their

LOCKS and LATCHES in all sizes, thin, drawback, iron rate, cabinet, &c., of all qualities, including Barnett's, Chubb's, and Fitch's patents, together

GENERAL IRONMONGERY wrought and cut nails, screws, hinges, bolts, &c. &c.

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WINDOW FITTINGS of all kinds, including brackets, rods, arms, sliding sashes, trays, &c. &c.

DOOR SPRINGS and HINGES, including Redmund's, Smith's, Collinson's, Grimsh's, and Cotterell's patents.

WINDOW BLIND FITTINGS of the most approved principle.

SHERINGHAM'S and all other VENTILATORS.

LEAN'S RACK BOLT MORTICE LOCKS, for which they are AGENTS, as well as for all inventions of merit as soon as perfected.

HART and SONS, aware that the practice of publishing NET prices has in injurious to the interests of the trade generally, are unwilling to follow it, but at the same time they feel to secure their friends that their prices will be found equally as low as those of any other respectable house.

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BAKERS' OVEN WORK, Pump Backs and Troughs, Rain Water Pipes and Gutters, Bath Weights, Furnace Bars, Stoves, Ranges, &c., always in stock.

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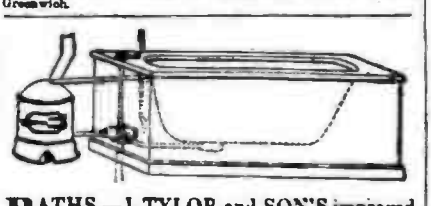
ARCHITECTS and Others are solicited to apply to W. HILL, Builder and Engineer, Greenwich, for Garden Buildings of any description, constructed to insure the best practical results, made either in wood or metal, and possessing all his recent improvements in WARMING and VENTILATING. Also for the improved BLUE BOILER and HOT WATER APPARATUS, which he guarantees for any period at a nominal charge. Wrought-iron Steam or Hot Water Boilers, Tanks, Cisterns, &c., Galvanized or not, of the best manufacture, to any shape or dimensions.—Address, W. HILL, Horticultural Works, Greenwich.



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SOLE MANUFACTURERS OF

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	2	2½	3 Inches.
Cast Butts	8s. 3d.	7s. 6d.	11s. per 6 dozens
Cut Clasp	5d. 7d.	1s. 2d.	1s. 6d. per
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Nos.	3	4	6
Patent Line	5s. 6d.	7s.	8s. 10s. 6d. per gross.
	2	2½	3 inches.
Rain Pipe	9½d.	10½d.	1s. 1d. per yard.

TO BUILDERS and CARPENTERS.— Elliptic Stoves, double backs, 20d. per inch.

Register Stoves, 3d. 6d. 4d. 7½d. per inch.

Self-acting Ranges, with similar ovens and back boilers, best wrought bars and bright fittings—

2 ft., 2l. 17s.	2 ft. 6 in., 2l. 7s.	4 ft., 3l. 16s.

2-feet Cottage Ranges, with ovens and back boilers, 32s. each.

3-feet self-acting ditto, ditto ..... 32s. each.

Air Bricks, 3s. 6d. per doz.—4-inch Cut Lath Nails, 12s. 6d. per cwt.

Best Patent Cut Clasp.

1½	1¾	2	2½	3 inch and larger.
14s. 6d.	14s.	14s.	12s. 6d.	12s. per cwt.

Best Sheet Floor Brads, 11s. 6d. per cwt.

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4s.	4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d. per gross.

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Strong Elliptic Stoves, with extra back, 2½d. per inch.

Register Stoves, 3d. per inch.

2-ft. Self-acting Cottage Ranges, with Oven and Boilers, 26s. each.

3-ft. Self-acting ditto, with wrought bars and bright fittings, 30s. ea.

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	8d.	10d.	1s. per yard.

Cast Gutters—4 inch, 8d. per yard.

G.G. Gutters	4	4½ inch.
	11d.	1s. per yard.

Best Cut Clasp and Rose	1½	1¾	2	2½	3 inch.
	14s. 6d.	14s.	12s. 6d.	11s.	12s. per cwt.

Sheet Flooring Brads, 11s. 6d. per cwt.

4-inch Cut Lath, 11s. Cast Lath, 3s. 6d.

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An extensive stock of bar, rod, hoop, and sheet iron.

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Fine Cut Clasp and Rose.

1½	1¾	2	2½	3 inch.
14s. 6d.	14s. 6d.	13s. 6d.	12s.	12s. 6d. per cwt.

Best Bright Tower Bolts.

1s. 3d.	1s. 7d.	2s. 3d.	2s. 6d. per dozen.
3	4	5	6 inch.

Best Patent Sash Line.

4s.	4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d. per gross.
No. 1	2	3	4	5	6

Cast Lath Nails, 10s. per cwt. Air Bricks, 3s. 6d. per dozen.

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10 by 8 inches	3s. each.
16 by 9 "	9s. "

An assortment in Brass, Bronzed, Gilt, &c.

An extensive stock of Mortise Locks, Drawback Locks, Iron Rim Locks, and Latches, of every description, at very reduced prices; also Door Furniture, in china, amber, crystal, ivory, ebony, buffalo, horn, brass, &c., with finger-plates, bell-pulls, and levers on ends.

B. and Co. are the inventors of SHIFTING BOLT MORTISE LOCKS, &c.; so universally approved of—Established nearly 200 years, for the supply of goods from the best manufactories at the lowest prices.

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Tuned to the chromatic scale, with improved clappers, and pegged on a new system, which gives a superior tone and facility for ringing.

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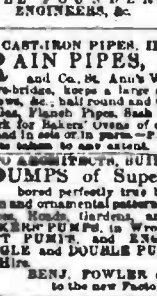
PUMPS of Superior CONSTRUCTION, bored perfectly true by improved machinery, in various plain and ornamental patterns for Conservatories, Squares, Market Places, Roads, Gardens, and for Liquid Manure. BRICK-MAKERS' PUMPS, in Wrought and Cast Iron, HYDRAULIC LIFT PUMPS, and ENGINES for Wells of any depth, SINGLE and DOUBLE PUMPS up to twelve-inch bore, kept for Hire.

BENJ. FOWLER (late of 65, Dorset-street), removed to the new Factory, Whitefriars-street, Fleet-street.



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which is recommended for the simplicity of its construction, and the ease with which it works.

By the introduction of the vibrating standard the cumbrous carr are and expensive slings and guides are unnecessary, rendering the price considerably less than pumps made on the old plan.

Beer and Water Engines for raising fluids from a depth not exceeding 30 feet; also, Garden Engines constructed on the same principle.

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Superior bed-room papers	1d.	"
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